# USCMS Engineer Status Report for June 2003

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## 1 Work Performed This Month

1. Configuration Monitoring

The first version of configuration monitoring tool has been out and put it into the uscms pacman cache, with the help from Bockjoo Kim from University of Florida. There are a lot of improvement recently on the MDS information parsing, client program and mop configuration file generation.

2. VOMS and VOMS admin interface

1). I installed and configured the new version of VOMS and VOMS admin interface. I presented my experience at VO meeting and gave the feedback to the VOMS and VOMS admin interface developers.

2). Various work on VO related: Continues the admin of the VO LDAP server; Helped the Dan Bradley at Wisconsin and Shaowen Wang at Iowa with the LDAP access issue; Provide some suggestions to Natalia and Bockjoo with the structure and configurations on how the security/certificate/mkgridmap configuration should be organized in the pacman cache.

3). Globus 2.4 has released a special version of Globus with callout functionality for uscms community. I installed and spent some time to evaluate it. I also developed a module that allows the local admin to block denied users from accessing the grid resources even if the user DN is in the grid-mapfile. I wrote the feedback to the Globus developer team and they promised to put them in place.

3. Control Room Logbook

Continued some admin work on the Control Room Logbook which is being used by the HCAL group. It is functioning very well:

http://cmsru1.cern.ch:8000/crl_tb03_shift/crlsearch.jsp

I have passed most of the daily admin tasks to Jordan Damgov. I am only needed for some technical details.

# 2   Status of Deliverables

1. Configuration monitoring New release with Web service on the configuration monitoring and security consideration. Should be able to release by the end of the month;

2. VO project: 1).Plan to be put it into PACMAN; 2).Gradually migrate the VO membership management to the new VOMS-based system; 3).Other tasks by Tanya;

# 3   Plans For Next Month

1. Configuration monitoring

I plan to spend a lot of time on the configuration monitoring and do the development. In the long run, I hope we can have a configuration management system in place that knows each site's configuration and provide the needed information to query the needed info and submit jobs. We will try the web services and utilize it if possible.

2. VO project

I need discuss with Tanya. The tasks she assigned to me have been mostly done. My own thinking is that we should focus more on the deployment and utilization on the CMS specific applications.

3. Control Room Logbook

This is a good arrangement right now for me—I only provide some technical support and most of the admin work will be done by Jordan. I hope this can continue.

# 4   Longer Term Plans

In the long run, the VO project need to apply to the CMS specific need after VOMS is deployed and used. The configuration monitoring issue can be a service for the USCMS VO community.

# 5    Resources Needed

None.

# 6    Links To Supporting Documentation

- http://cmsru1.cern.ch:8000/crl_tb03_shift/crlsearch.jsp

- http://www.uscms.org/s&c/VO/